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WHAT IS CLAIMED IS:

 A method for encapsulating information in an encoded uniform
resource identifier (URI) having a plurality of fields that is presented by a web site to
user for selection during an interaction session between the web site and the user, the
method comprising steps of:

choosing a URI field for encapsulating the information;

determining first information that comprises at least one of second information and third information, wherein the third information is unrelated to the interaction session:

formatting fifth information related to the first information to create sixth information:

> embedding the sixth information in the field to form the encoded URI; and presenting the encoded URI to the user.

2. The method for encapsulating information in the encoded URI having the plurality of fields that is presented by the web site to the user for selection during the interaction session between the web site and the user as recited in claim 1, further comprising steps of:

> compressing the first information to create the third information; and encrypting the third information to create the fourth information.

- 1 3. The method for encapsulating information in the encoded URI having the plurality of fields that is presented by the web site to the user for selection 2 during the interaction session between the web site and the user as recited in claim 1, 3 wherein a size of the encoded URI is limited to a range of about 4K to 8K characters. 4
 - The method for encapsulating information in the encoded URI 4. having the plurality of fields that is presented by the web site to the user for selection during the interaction session between the web site and the user as recited in claim 1, wherein the formatting step comprises formatting fourth information in base 64 to create sixth information.
- The method for encapsulating information in the encoded URI 5. having the plurality of fields that is presented by the web site to the user for selection 2 during the interaction session between the web site and the user as recited in claim 1, 3

further comprising a step of encrypting third information related to the first information to create the fourth information, wherein the encrypting step uses at least one of: code table encryption, symmetric key encryption, and asymmetric key encryption.

- 6. The method for encapsulating information in the encoded URI having the plurality of fields that is presented by the web site to the user for selection during the interaction session between the web site and the user as recited in claim 1, further comprising a step of compressing the first information to create the third information, where the compressing step uses at least one of: gzip compression, zlib compression, run length encoding, and Huffman encoding.
- 7. The method for encapsulating information in the encoded URI having the plurality of fields that is presented by the web site to the user for selection during the interaction session between the web site and the user as recited in claim 1, wherein the third information is gathered by the web site for the benefit of another web site indicated by the encoded URI.
- 8. The method for encapsulating information in the encoded URI having the plurality of fields that is presented by the web site to the user for selection during the interaction session between the web site and the user as recited in claim 1, wherein the second information includes at least one of: a user identifier, a user authorization password, an association for the user, a credit amount associated with the user, cost quoted for a resource indicated by the encoded URI, rights associated with the user for content, the URI field if the URI field is replaced in the encoded URI.
- 9. The method for encapsulating information in the encoded URI having the plurality of fields that is presented by the web site to the user for selection during the interaction session between the web site and the user as recited in claim 1, wherein the third information includes at least one of: an expiration for the encoded URI, mirror sites for a resource indicated by the encoded URI, an identifier indicating the web site that built the encoded URI, and status information for the web site.
- 1 10. The method for encapsulating information in the encoded URI
 having the plurality of fields that is presented by the web site to the user for selection
 during the interaction session between the web site and the user as recited in claim 1,

comprising:

4	further comprising a step of analyzing the first information to determine if the encoded
5	URI has expired.
1	11. A method for encapsulating information in an encoded uniform
2	resource identifier (URI) having a plurality of fields that is presented by a web site to a
3	user for selection during an interaction session between the web site and the user, the
4	method comprising steps of:
5	choosing a URI field for encapsulating the information;
6	determining first information that comprises at least one of second
7	information and third information;
8	compressing the first information to create the fourth information;
9	encrypting the fourth information to create the fifth information;
0	formatting fifth information to create sixth information;
1	embedding the sixth information in the field to form the encoded URI; and
2	presenting the encoded URI to the user.
1	12. The method for encapsulating information in the encoded URI
2	having the plurality of fields that is presented by the web site to the user for selection
3	during the interaction session between the web site and the user as recited in claim 11,
4	wherein the third information is unrelated to the interaction session.
1	13. A method for decoding information in an encoded uniform
2	resource identifier (URI) having a plurality of fields that is presented to a web site by a
3	user where the encoded URI is produced during an interaction session between a referring
4	web site and the user, the method comprising steps of:
5	determining a URI field that encapsulates sixth information;
6	removing the sixth information from the URI field; and
7 -	unformatting the sixth information to produce fifth information related to
8	first information, wherein:
9	the first information comprises at least one of second and third
0	information, and
1	the third information is unrelated to the interaction session.
1	14. A uniform resource identifier (URI) embodied in a carrier wave,

3	a scheme segment comprising a scheme for parsing the URI;
4	a scheme-specific segment comprising a payload portion and at least one
5	of:
6	a host identifier,
7	path information, and
8	a file name, wherein the payload portion includes information that
9	is at least one of formatted, compressed and encrypted.
1	15. The URI embodied in the carrier wave as recited in claim 14,
2	wherein the information is both compressed and encrypted.
1	16. The URI embodied in the carrier wave as recited in claim 14,
2	wherein the information is unrelated to an interaction session between a web site that buil
3	the URI and a user that selected the URI.
1	17. The URI embodied in the carrier wave as recited in claim 14,
2	wherein the information is gathered by a web site that built the URI for the benefit of
3	another web site indicated by the host identifier.
1	18. The URI embodied in the carrier wave as recited in claim 14.

wherein the information includes user-related information.